

DEVICE AND METHOD FOR HANDLING FRAGILE OBJECTS, AND  
MANUFACTURING METHOD THEREOF

ABSTRACT

A handler for applying a vacuum holding force to an object is provided. The handler generally includes a body having a plurality of levels of openings including a holding surface level and a suction surface level, and optionally one or more intermediate levels. In general, the openings decrease in size (e.g., effective diameter) from the suction surface level to the holding surface level. Further the openings at the suction surface level are in fluid communication with at least a portion of the openings at the holding surface level.